

Amendments to the Claims

The Claim Listing below will replace all prior versions of the claims in the application:

Claim Listing

1. (Original) A temperature detector comprising:
 - a surface temperature sensor mounted to sense temperature of a target surface;
 - an ambient temperature sensor sensing ambient temperature;
 - an electronic circuit coupled to the surface temperature sensor and ambient temperature sensor and responsive to a signal from the surface temperature sensor and the ambient temperature sensed by the ambient temperature sensor to provide an indication of an internal temperature of the target adjusted for the ambient temperature to which the target is exposed; and
 - an output providing an indication of the internal temperature.
2. (Original) A temperature detector as claimed in Claim 1 wherein the target surface is biological tissue.